

Application Serial No. 10/564,938
Amendment

PATENT
Docket: CU-4652

REMARKS

The Applicant respectfully requests reconsideration.

In the Office Action, the Examiner indicated that claims 33, 38, 39, 41-53, 55-57, 69, and 70 are rejected. The Applicant submits that the rejections are rendered moot by amendment.

In the drawings, please replace Figures 1-15 with the drawings on Replacement Sheets 1-23, depicting amended Figures 1-15. No new matter has been added. The Replacement Sheets containing the amended Figures can be found in an Appendix after the last page of this paper.

In the claims, please cancel claims 33, 38, 39, 41-53, 55-57, 69, and 70. In the Claims, please newly add claims 71-79. Support for these new claims can be found in the original disclosure. For example, support for claim 71 for concentrating and affinity capture can be found on page 11 line 2 and 11; for step a) is clear from page 11 line 3, which makes the claim more clear and page 12 line 36-38 declares that the plate fits into Mass Spectrometry instruments, and for elution pressure support can be found on page 9 line 15 to 18 in combination with page 11 line 5-8 and page 25 line 36; for step b) support can be found on page 12 line 19-26; for step d) support can be found on page 12 line 27; and for step e) support can be found on page 13 line 15. Additional support for the dependent claims is also found in the original disclosure. For claim 72, support can be found in the Figures which clearly shows that the method is to be used in large scale using for example robot's; for claim 73, support can be found on at least Fig 1, 6 and 7; for claim 74, support can be found on page 14 line 14-16; for claim 75, support can be found on page 26 line 10-11 and page 12 line 29; for claim 76, support can be found in fig 1; for claim 77, support can be found on page 14 line 14; for claim

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78, support can be found on page 25 line 24-25; and for claim 79, support can be found on page 25 line 22. No new matter is added by way of these new claims. The new claims can be viewed in the Amendments section of this paper in the Listing of claims beginning on page 3.

In the Office Action on page 2, the Examiner objected to the drawings. In response, the Applicant has submitted amended drawings on Replacement sheets. The Applicant believes that the amended drawings are fully responsive to the Examiner's objection and respectfully requests that the Examiner withdraw this objection to the drawings.

Also beginning on page 2 of the Office Action, the Examiner objected to the claims. The claims have been cancelled herein, and therefore, the Applicant submits that the objection thereto is rendered moot.

Finally, the claims are rejected under 35 U.S.C. §112, second paragraph for being indefinite. The claims have been cancelled herein rendering the rejection moot. The Applicant respectfully requests that the Examiner withdraw this rejection of the claims as well.

Rather, the Applicant has provided herewith new claims 71-79 which the Applicant submits are clear, novel and non-obvious. The amended claims provide a method whereby biomolecules are concentrated in a concentrated spot and eliminating surrounding sample fluid that is not of interest. Thereby, it is possible to increase the amount of biomolecules to be analysed by Mass Spectrometry. By the invented method it is possible also possible to store the plate containing captured biomolecules to be analysed later on. Thereby it is possible to create a number of plates prior to

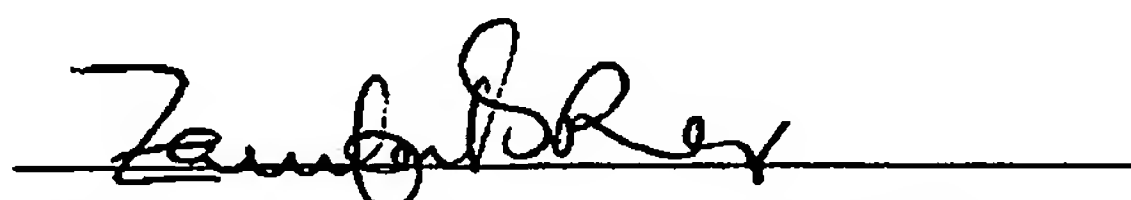
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analyzing said biomolecules on said plate or even to send the plates to another laboratory for analysis. If the plate is an array comprising 96 units, 96 different biomolecules can be analysed at the same time. Additionally all 96 units may contain one and the same biomolecule, wherein the different units will be treated differently such as by different enzymes and then the complete plate can be analysed. Thereby it is possible to obtain a large amount of information about one or several biomolecules. Due to the rapid capture of the biomolecules onto the capturing medium it is secured that they can later be recovered and analyzed and that they will not be adsorbed unspecifically to other surfaces. This miniaturized plate and method do not require any large volumes of either the biomolecule or the sample.

The Applicant respectfully submits that this paper is fully responsive to the Office Action dated July 22, 2009. The Applicant respectfully requests that the Examiner enter the amendments and the Replacement Sheets into the record. The Applicant submits that the claims are in condition for allowance and respectfully requests favorable consideration.

Respectfully Submitted,



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